

Form Approved OMB No. 2070-0060

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**Ariel Rios Building, 1200 Pennsylvania Ave., NW**  
**Washington, D.C. 20460-0001**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

**DATA MATRIX**

Date: February 6, 2006	EPA Reg. No./File Symbol: 400-XXX	Product:
Applicant's/Registrant's Name & Address: Chemtura USA Corporation 74 Amity Road Bethany, CT 06524-3402		B811 Insecticide and B19 Insecticide

Ingredient: Diflubenzuron		CAS No. 35367-38-5			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	<b>Technical Diflubenzuron</b>				
158.155	61-1	Product Identity & Composition	44574606	Chemtura USA Corporation	Own
158.160	61-2	Description of Materials	44574602	CC	Own
158.162	61-3	Description of Product Process	44574601	CC	Own
158.167		Formation of Impurities	44574603	CC	Own
158.170	62-1	Preliminary Analysis	40718001	CC	Own
			44518401	CC	Own
158.175	62-2	Certified Limits	40718001	CC	Own
158.180	62-3	Enforcement Analytical Method	40718001	CC	Own
830.6302	63-2	Color	44774201	CC	Own
830.6303	63-3	Physical State	44574604	CC	Own
830.6304	63-4	Odor	44774202	CC	Own
830.7200	63-5	Melting Point	44067201	CC	Own
830.7300	63-7	Density	44574605	CC	Own
830.7840	63-8	Solubility	44801201	CC	Own
830.7950	63-9	Vapor Pressure	44067201	CC	Own
			44067202	CC	Own
830.7370	63-10	Dissociation Constant	44774205	CC	Own
830.7550	63-11	Octanol/Water Partition Coef.	44774206	CC	Own
830.7000	63-12	pH	44774204	CC	Own
830.6313	63-13	Stability	44774203	CC	Own
			45071701	CC	Own
71-1	Avian Oral LD <sub>50</sub>	- mallard	00073936	CC	Own
		- quail	00073935	CC	Own
71-1	Avian Dietary LC <sub>50</sub>	- mallard	00038613	CC	Own
		- quail	00039080	CC	Own
71-4	Avian Reproduction	- mallard	41668001	CC	Own

Signature Judith O. Ball	Name and Title Willard F. Cummings, Product Registration Manager, North America	Date March 3, 2006
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Ingredient: Diflubenzuron		CAS No. 35367-38-5			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	- quail	41668002	CC	Own	
72-1	Freshwater fish LC <sub>50</sub> - r. trout	00056150	CC	Own	
	- b. sunfish	00056150	CC	Own	
72-2	Acute LC <sub>50</sub> freshwater invertebrates				
	- daphnia	40840502	CC	Own	
72-3	Acute LC <sub>50</sub> estu. & marine shrimp	43662001	CC	Own	
		40098001	CC	Own	
	- fish	42940101	CC	Own	
	- mollusk	41392001	CC	Own	
72-4	Fish early life-stage (invertebrate life-cycle)	40840501	CC	Own	
	- shrimp	40237501	CC	Own	
72-5	Fish life-cycle	00099755	CC	Own	
	- minnow	00099722	CC	Own	
	- mummichog				
72-6 (same as 165-4)	Aquatic organism accum.	42258401	CC	Own	
72-7	Field testing freshwater invertebrates	43908001	CC	Own	
		44460701	CC	Own	
		44460702	CC	Own	
		44460703	CC	Own	
		05000841	CC	Own	
		00099897	CC	Own	
		00038213	CC	Own	
		00099791	CC	Own	
		00071210	CC	Own	
		00099891	CC	Own	
		00099839	CC	Own	
		00038212	CC	Own	

Signature

Judith O. Ball

Name and Title

Willard F. Cummings, Product Registration Manager, North America

Date

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Ingredient: Diflubenzuron		CAS No. 35367-38-5			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		00039090	CC	Own	
		00039091	CC	Own	
		00039092	CC	Own	
		00095416	CC	Own	
	Estuarine invertebrates	00099678	CC	Own	
		00099895	CC	Own	
	<b>90% Concentrate / Technical Diflubenzuron</b>				
81-1	Acute Oral Toxicity	00157103	CC	Own	
81-2	Acute Dermal Toxicity	00157104	CC	Own	
81-3	Acute Inhalation Toxicity	00163311	CC	Own	
81-4	Primary Eye Irritation	00157105	CC	Own	
81-5	Primary Dermal Irritation	00157106	CC	Own	
81-6	Dermal Sensitization	42251101	CC	Own	
82-1	90-Day Feeding - mouse	00114330	CC	Own	
	- dog	00038706	CC	Own	
82-2	21-Day Dermal - rat	43954101	CC	Own	
82-4	28-Day Inhalation	44950601	CC	Own	
83-1	Chronic Feeding - rat	00044329	CC	Own	
82-4		00099712	CC	Own	
	- dog	00146174	CC	Own	
83-2	Oncogenicity - rat	00145467	CC	Own	
	- mouse	00142490	CC	Own	
83-3	Teratogenicity - rat	41703504	CC	Own	
	- rabbit	41703505	CC	Own	
83-4	Reproduction	43578301	CC	Own	
84-2	Gene Mutation	41703503	CC	Own	

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Ingredient: Diflubenzuron		CAS No. 35367-38-5			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		00157117	CC	Own	
		00157120	CC	Own	
		41703502	CC	Own	
84-2	Structural chromosomal aberration	00157120	CC	Own	
84-4	Other Genotoxic Effects	00044331	CC	Own	
		00157118	CC	Own	
		00157119	CC	Own	
		41703501	CC	Own	
85-1	General Metabolism	44875501	CC	Own	
		44875502	CC	Own	
85-2	Dermal Penetration	44053101	CC	Own	
122-2	Aquatic Plant Growth	42940101	CC	Own	
		42940102	CC	Own	
		42940103	CC	Own	
		42940104	CC	Own	
		42940105	CC	Own	
		42940106	CC	Own	
132-1	Foliar Dissipation	-			Not required for use in cattle feed
141-1	Nontarget - Honey bee acute Contact LD <sub>50</sub>	05001991	Published	Own	
		00040601	E.I. DuPont de Nemours & Co., Wilmington, DE	Own	
161-1	Hydrolysis	40859801	CC	Own	
		41087801	CC	Own	
161-2	Photodegradation - water	40816301	CC	Own	
		41087802	CC	Own	

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Ingredient: Diflubenzuron		CAS No. 35367-38-5			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	- soil	42251201	CC	Own	
162-1	Metabolism – aerobic soil	00039473	Published	Own	
		00039474	CC	Own	
		41722801	CC	Own	
162-2	Anaerobic Soil Metabolism	-			Not required for use in cattle feed
162-3	Anaerobic Aquatic Metabolism	41837601	CC	Own	
162-4	Aerobic Aquatic Metabolism	44895001	CC	Own	
163-1	Leaching & Adsorption/desorption	00039476	CC	Own	
		00039477	CC	Own	
		00040777	CC	Own	
		00157842	CC	Own	
164-1	Dissipation – field crops	-			Not required for use in cattle feed
164-2	Aquatic Field Dissipation	44399309	CC	Own	
164-3	Forestry Dissipation	-			
			CC	Own	
165-1	Rotational crops - confined	-			Not required for use in cattle feed
	- field	-			
165-4	Accumulation in fish	42258402	CC	Own	
165-5	Accumulation in aquatic non-targets	42258401	CC	Own	
		45191001	CC	Own	
		45197602	CC	Own	
860.1300	171-4(b) Nature of residue - cattle	00040160	CC	Own	
	- goat	42060901	CC	Own	
		42494201	CC	Own	

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Ingredient: Diflubenzuron		CAS No. 35367-38-5			
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1480	171-4(j) Magnitude of residue				
	-meat, milk	00155419	CC	Own	
		00155420	CC	Own	
		00155425	CC	Own	
		00155426	CC	Own	
810.3400	95-10 Product Performance - mosquito	46761101	CC	Own	
		46761102	CC	Own	
		46761103	CC	Own	
		46761104	CC	Own	

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